: SADDLE FITTING, AFT (OUTBOARD/INBOARD)

Oate: User:

Thursday, 5/3/2007 11:30:20 AM

Kim Johnston

## **Process Sheet**

Customer

: CU-DAR001 Dart Helicopters Services

Job Number **Estimate Number**  : 32167

P.O. Number

: 10533

This Issue

First Issue

Written By

Previous Run

: NA

: 5/3/2007 Prsht Rev.

: NIM

S.O. No. : 1

: 32078

Type

: MACHINED PARTS

Checked & Approved By Comment

: Est: I

As Per RevE 06-01-27

Part Number

**Drawing Name** 

**Drawing Number** 

: D2573 - D2573 REV E

Project Number **Drawing Revision**  : N/A

Material **Due Date**  : 5/22/2007

Qty:

12 Um:

Each

**Additional Product** 

Job Number:



Seq. #:

Machine Or Operation:

Description:

D6101007 1.0

7075-T7351 8.25X7.75X2.5



Comment: Qtv.:

1.0000 Each(s)/Unit

Total:

12.0000 Each(s)

7075-T7351 8.25X7.75X2.5

Make from D6101-007 billet for D2573

Ensure that grain is along 7.75" length

Batch No:

B 25353

\* ..t

2.0

HAAS1

HAAS CNC VERTICAL MACHINING #1



Comment: HAAS CNC VERTICAL MACHINING #1

Program Batch No. 332167 Double check by:

1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets 2-Machine Step No 2 per Folio FA051 and inspect per attached Dimension Sheets

- 3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets
- 4-Deburr and remove all machining marks
- 5-Tumble to remove sharp edges.

3.0

MILLING CONV

CONVENTIONAL MILLING MACHINE



Comment: CONVENTIONAL MILLING MACHINE

Machine keyway as per dwg D2573 & D2574



4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE





	Dart	<b>Aeros</b>	pace	Ltd
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W/O:				WORK ORDER	CHANGES					
DATE	STEP	·	PRO	OCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
					<b>₹</b>					
<b>V</b> <sub>1</sub> , .			A						4	
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Part No	•	· F	PAR #:	Fault Category:	NCF	R: Yes	No) DQ	A: <u>f</u>	Date: ⊘	16411

					QA: N/	C Closed:	Date: _	
NCR: WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B		Verification Section C	A	Approval QC Inspector
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		Approval Chief Eng	
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NOTE: Date & initial all entries

Date: Thursday, 5/3/2007 11:30:20 AM User: Kim Johnston **Process Sheet** Drawing Name: SADDLE FITTING, AFT (OUTBOARD/INBOARD) Customer: CU-DAR001 Dart Helicopters Services Job Number: 32167 Part Number: D2573 Job Number: Seq. #: Description: **Machine Or Operation:** 5.0 QC8 SECOND CHECK Comment: SECOND CHECK MS ヘジ HAND FINISHING RESOURCE #1 HAND FINISHING1 COUNTO Comment: HAND FINISHING RESOURCE #1 Acid etch and Alodine as per QSI 005 4.1 7.0 POWDER COATING m 104144 Comment: POWDER COATING Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3 8.0 Comment: INSPECT 9.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Identify and Stock 12 Location: 10.0 QC21 Comment: FINAL INSPECTION/W/O RELEASE Job Completion 1 07-06(1

Dart A	Aeros:	pace	Ltd
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<b>W</b> /O:			1	WORK ORD	ER CHANG	ES				
DATE	STEP	 PRO	CEDURE C	HANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				•	31		-1			
			4	144						
Part No	:	PAR #:	Fault C	ategory:		_ NCR: Yes	No DQA	۸:	_ Date: _	

QA: N/C Closed: \_\_\_\_ Date: \_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B	Verification	A				
DATE	STEP	STEP Section A		Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspecto		
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NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	32167
Description: Saddle, Aft Outboard	Part Number:	D2573
Inspection Dwg: D2573 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

		-		Re	corded Act	ual Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443	<del>DT8682</del>	0.440	2.440	0.440	0.440		
В	1.745	1.755		1.749	1.748	1.749	1.747		
С	3.495	3.505		3.500	3.498	3.500	3.498		
D	1.745	1.755		1.749	1.749	1.749	1.747		
E	7.990	8.010		8.003	8003	500.8	8.003		
F	0.490	0.510		0.502	0.493	0.498	0.498		
G	0.257	0.262	D <del>∓868</del> 3	0.700	0.260	0-260	0.260		
Н	0.375	0.380	-DT8684	c.377	0:377	0377	0:377		
Ī	0.490	0.510		0.500	0.503	0:502	0.5e3		
J	1.174	1.184		1.177	1.175	1.175	1.175		
K	0.558	0.578		0.567	0.565	0.567	9.268		
L	1.174	1.184		1-137	1.175	1.175	1.175		
M	1.365	1.375		1365	1.366	1366	1.366		
N	2.495	2.505		2.495	2.495	2.497	2.496		
0	4.119	4.129		4.171	4.119	4.121	9,172	-	
Р	0.115	0.135		0125	6.126	6.176	0.176		
Q	0.115	0.135		0-135	0735	6.135	0.135		
R	0.240	0.260		0.254	0.251	0.251	0.251		
S	0.115	0.135		0170	0.170	0.173	0.121		
Т	0.178	0.198		0.18%	6.188	0.188	0.128		
U	3.210	3.250		3.730	3.230	3-230	3.230		
V	0.230	0.250		0.737	0.236	0.736	0.238		
W	0.115	0.135		0.172	6.126	0.122	0.121		
X	0.308	0.313		8310	0310	0.311	0.311		
Υ	0.760	0.765		0.765	0.765	6.765	0.765	•	
Z	0.352	0.372		0.3/2	0.360	0:360	6.360		
AA	0.470	0.530		6:500	0.700	0.599	0.500		
AB	0.615	0.635		5.629	0.627	0.628	0.678		
AC	0.053	0.073		0.063	0.063	6063	0063		
AD	0.240	0.260		0244	0.249	0244	0246.		
AE	1.500	1.520		1.512	1.574	15/3	1.5/3		
AF	0.115	0.135		0.135	40-135	0./35	a. (35		-1-
AG	0.240	0.280		0.760	0.260	0.760	0.260		
AH	0.240	0.260		0247	0.246	0249	0.248		
·ΑΙ	2.000	2.020	¥-	2.003	2-003	2.003	2.003		
AJ	0.023	0.043		0.033	0.033	0.033	0.033		
•	Acc	ept/Reje	ct						,

Measured by: 🛵 🗼	Audited by	MS
Date: 07/06/04	Date:	07/06/06

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.26	Re-format; Added Rev. D	KJ	
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension Al	KJ/RF , ,	- 1
E	05.12.05	Added dimension AJ	KJ/JLM 🚓	all
			, ()	

DART AEROSPACE LTD	Work Order:	32167
Description: Saddle, Aft Outboard	Part Number:	D2573
Inspection Dwg: D2573 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443	<del>-DT8082</del>	0440	0.440	0.440	0.440		
В	1.745	1.755		1.749	1-749	1.749	1.749		
С	3.495	3.505		3,500	3.500	3,499	3.499		
D	1.745	1.755		1.749	1.749	1.749	1.749		
E	7.990	8.010		8.001	8.001	7:999	8.003		
F	0.490	0.510		0.500	0.503	0.504	0.504	/	
G	0.257	0.262	DT8683	0.760	0.760	0.260	0.266		
Н	0.375	0.380	DT8684	0:377	0.377	0.374	J-347		
1	0.490	0.510		0.504	0.503	0.504	0.502		
J	1.174	1.184		1.178	1.179	1.179	1.149		
K	0.558	0.578	1 1111111111111111111111111111111111111	0.569	0.570	0.572	0.570		
L	1.174	1.184		1.178	1.179	1.179	1.179		
М	1.365	1.375		1.369	1.369	1.369	1.369		
N	2.495	2.505		2.500	2 499	2.500	2.499		
0	4.119	4.129		4.121	4.122	4.122	4.121		
Р	0.115	0.135		0.126	0.126	0.126	0.126		
Q	0.115	0.135		0.135	0.135	0.135	0./35	<u> </u>	
R	0.240	0.260		0.252	0.250	0.251	0.251		
S	0.115	0.135		0.126	0.122	0.127	0.127		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	3.210	3.250	1. 181	3.730	3.230	3.230	3.230		
V	0.230	0.250		0.241	0.242	0.241	0.240		
W	0.115	0.135		0.136	0.128	0.131	0.128		
X	0.308	0.313		0.312	0.311	0.311	0.311		
Υ	0.760	0.765		0.765	0.765	0.765	05765		
Z	0.352	0.372		0.365	0.363	0.363	0.364		
AA	0.470	0.530		6.500	0.500	0.500	0.500		
AB	0.615	0.635		0.632	0.634	0.624	0,1024		
AC	0.053	0.073		0.063	0.063	0.063	6.063		•
AD	0.240	0.260		0.246	0.253	0.253	0.254		
AE	1.500	1.520	·	1513	1.5/4	1.512	1.512		
AF	0.115	0.135		0.125	0.125	0.125	0.123		
AG	0.240	0.280		0.2.86		0.265	0.263		
AH	0.240	0.260		0.250	0.250	0.251	0.249		·
ΑI	2.000	2.020		263	2.003	2.001	2.001		
AJ	0.023	0.043		0.033	0.033	0:033	8.033		
		ept/Reje	ct						

Measured by:	er 19ml	Audited by	MS	
Date:	07/06/05	Date:	07/06/06	

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.26	Re-format; Added Rev. D	KJ	
С	.02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension Al	KJ/RF	1
E	05.12.05	Added dimension AJ	KJ/JLM o	GIII.

DART AEROSPACE LTD	Work Order:	32167	
Description: Saddle, Aft Outboard	Part Number:	D2573	
Inspection Dwg: D2573 Rev. E		Page 1 of 1	

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

			Recorded Actual Dimensions						
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443	- <del>DT868</del> 2	6,440	0.439	0,439	0,439		
В	1.745	1.755		1.750	1.750	1.750	1.756		
С	3.495	3.505		3.500	3,499	3.499	3.499		
D	1.745	1.755		1.750	1.750	1.750	1.749		
E	7.990	8.010		8.003	8.001	8,001	8.601		
F	0.490	0.510		0.504	0.504	0,503	0.504		
G	0.257	0.262	<del>DT8683</del>	0.259	0.254	0,259	0.259		
Н	0.375	0.380	<del>«D∓8684</del>	0.377	6.377	0,377	6.377		
1	0.490	0.510		0.503	0,503	0.503	0.502		
J	1.174	1.184		1.179	1.179	1.179	1.179		
K	0.558	0.578		0.570	0.570	0.570	0.570		
L	1.174	1.184		1.179	1.179	1.179	1.179		
М	1.365	1.375		1.369	1.369	1.369	1.369		
N	2.495	2.505		2-500	2.499	2.499	2.499		
0	4.119	4.129		4.121	4.121	4.122	4.122		
Р	0.115	0.135		0.127	0.126	0.126	0.124		
Q	0.115	0.135		0.130	0.135	6.135	0.135		
R	0.240	0.260		0.251	0.251	0.252	0.251		
S	0.115	0.135		0.126	0.126	0,126	0.127		
Т	0.178	0.198		0.188	0.123	0.188	0.188		
U	3.210	3.250		3.230	3.230	0.188	3.236		
V	0.230	0.250		0.240	0.240	0.241	0.241		
W	0.115	0.135		0.130	0.128	0.129	0.129		
X	0.308	0.313		0.311	0.311	0.3/1	0,311		
Υ	0.760	0.765	-	0.760	0.766	0.760	0.760		
Z	0.352	0.372		0.364	0.343	0.363	0.365		
AA	0.470	0.530		0.500	0.500	0.500	0.506		
AB	0.615	0.635		0.024	0.624	0.624	0.625		
AC	0.053	0.073		0.063	0.063	0.063	0.063		
AD	0.240	0.260		0.246	0.246	0.247	0,247		
ΑE	1.500	1.520		1.513	1.512	1.512	1.512		
AF	0.115	0.135		0.125	0.122	0,123	0.123		
AG	0.240	0.280		0.265	0,265	0.245	0.265		
AH	0.240	0.260		0.248	0.249	0.250	0.249		
ΑI	2.000	2.020		2.002	2.002	2.001	2.001		
AJ	0.023	0.043		0.033	0.033	0.033	0.033		
	Acc	ept/Reje	ct						

Measured by:	And	Audited by	MS .
Date:	07/06/06	Date:	07/06/06

Rev Date		Change	Revised by	Approved	
Α		New Issue	RF		
В	02.09.26	Re-format; Added Rev. D	KJ		
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ		
D	05.05.05	Added dimension Al	KJ/RF	-1	
Е	05.12.05	Added dimension AJ	KJ/JLM 🚜		

